

TOPALOV, I.B.

Cases of dermatitis caused by Rhus toxicodendron in Bulgaria. Suvrem.
med., Sofia 8 no.6:102-103 1957.
(POISON IVY DERMATITIS, case reports,
(Bul))

TOPLOV, I.B.; GORODINOV, G.I. (Sofiya, Bulgariya)

Experimental and clinical radiography of the pleural sinuses.
Khirurgija no.10:107-110 '64.

(MIRA 13:8)

ZHULEV, Stefan, Il., inzh.; TOPALOV, K'ril Al., inzh.

Some technical problems in continuous piece dyeing.
Tekstilna prom 14 no.1:40-41 '65.

1. Chief Engineer, "Gosimimart" State Industrial Enterprise,
Sofia (for Zhulov). 2. Chief Specialist, Commission for
Light Industry, Sofia (for Topalov).

TOPALOV, K.

Concerning the Elimination of Rejects in Cotton Cloth Printing.
Leka Promishlenost (Light Industry), #10:8:Oct. 1955

103
BULGARIA/Chemical Technology. Chemical Products and their Application. Dyeing and Chemical Treatment of Textile Materials.

Res Jour: Ref Zhur-Khim., No 2, 1959, 6899.

Author : Dimov, K.; Topalev, K.; Lukanov, T.; Arbov, D.

Inst :
Title : Experiment of Producing White Reserve by Glacial (Azide) Dyeing.

Orig Pub: Lekha promishlenost. Tekstil, 1958, 7, No 1, 25-30.

Abstract: The resisting action of various reducing agents, salts of metals and organic acids to various azo-dyes (in respect to Azetol 4) was studied, and the compositions of resisting printing dyes yielding optimum results are selected. - O. Golosnik.

Card : 1/1

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Topalov, K.

BULGARIA / Chemical Technology. Chemical Products and Their Application. Dyeing and Chemical Treatment of Textiles.

H-34

Abs Jour : Rof Zhur - Khim., No 3, 1958, No 10, 076

Author : Topalov, K., Nakov, L.

Inst : Not given

Orig Pub : Loka promishlennost, 1956, 5, No 3, 12-19

Title : Dyeing Cotton Fabrics with Sulfur Dyes in Dye-Beck Machines.

Abstract : Experience with dyeing cotton fabrics with sulfur dyes in a dye-beck machine analogous to the SA-6 type which is used in the Soviet Union, showed that the continuous process insures a high efficiency (29.9 m/min) and an output of constant quality. Data on selecting technological conditions for dyeing and recipes are given. Finishing the indicated fabric with bichromate will improve the characteristics of color-fastness to wet treatments and to friction.

Card 1/1

70

TOPALOV, Kiril, inzh.; BUSHEVA, M., inzh.

Possibilities of using reactive dyes in cotton industry.
Tekstilna prom 13 no. 1: 19-23 '64.

1. Gl. spetsialist ot KLP (for Topalov).
2. Head, Chemical Laboratory at the Maritsa State Wool -
Textile Combine (for Busheva).

TOPALOV, K.

Concerning the Preventing of Rejects in Cotton Cloth Printing. Leka
Promishlenost (Light Industry), #11:14:Nov. 1955

TOPALOV, Kiril, inzh.

Continuous and semicontinuous methods for coloring. Tekhnika Bulg
10 no.8:21-24 '61.

1. Glavny spetsialist v Komiteta po promishlenosti.

(Coloring) (Textile industry)

TOPALOV, Kapitan Yovcho

STOYCDEV, Andrey

Authors of article entitled "Concerning the Significance of Angiography in Determining the Limits Cavernous Hermangioma." (Voenno Meditsinsko Delo, Sofi, May, 1961, pp 78-79)

TOPALOV L
Shayevich, Ya.A.

105

PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960.
Materialy (Materials of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

COVERAGE: The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Chentsova for help in preparing the materials for the press. References follow the individual articles.

Materials of the Third Ural Conference (Cont.)	SOV/6181
Zolotukhin, G. Ye., and T. F. Zykova. Investigation of thermal processes on surfaces of oxidizing metal electrodes	28
<u>Topalov, L. I.</u> . Experience in quantitative evaluation of the effect of "third components"	31
Buravlev, Yu. M. Basic features of "third" elements in spectral analysis of steels	39
Kozlova, A. V. Effect of thermal stability of compounds during spectral analysis of ferroalloys	42
Nikitina, O. I., A. Ye. Gorevaya, and M. G. Sklyar. Effect of electrode oxidation on the composition of the vapor phase during spectral analysis of ternary iron-base alloys	44

Card 445

TOPALOV, L.I.

Topalov, L.I. Spectral Analysis of Titanium Slag for Content of Titanium Dioxide and Impurities by the Standard-Graph Method, p. 156. Titan i ego slavy. vyp. II: Metallurgiya titana (Titanium and Its Alloys. No. 2: Metallurgy of Titanium) Moscow, Izd-vo AN SSSR, 1959. 179 p.

This collection of papers deals with sources of titanium; production of titanium dioxide, metallic titanium, and titanium sheet; slag composition; determination of titanium content in slags; and other related matters. The sources of titanium discussed are the complex sillimanite ores of the Kyakhtinskoye Deposit (Buryat-skaya ASSR) and certain aluminum ores of Eastern Siberia. One paper explains the advantages of using ilmenite titanium slags for the production of titanium dioxide by the sulfuric acid method. Production of metallic titanium by thermal reduction processes (hydrogen, magnesium, and carbon reduction) is the subject of several papers, while other papers are concerned with the electrolytic production of titanium. Other subjects dealt with are interaction of titanium with water vapor and with hydrogen and the determination of titanium in slags.

24(7)

SOV/48-23-9-35/57

AUTHOR:

Topalov, L. I.

TITLE:

The Analysis of High Concentrations with Consideration Given the Influence of "Third" Components

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,
Vol 23, Nr 9, pp 1130 - 1133 (USSR)

ABSTRACT:

In the introduction to the present paper it is stated that the angle of inclination of the calibration line in the case of a high percentage of some components depends considerably on these elements. The collective effect for all factors gives calibration curves with tangent of the inclination angle of 4 to 6 and more. Here the dependence between ΔS and $\log C$ is non-linear (C = concentration, ΔS denotes the blackening difference of the lines of an analytical pair), and for this relation formula (3) is derived. On the assumption that concentration does not vary essentially, it is possible to obtain the coefficients and the quantity $\log (a_n/a_m)$ from (3) in the case of a sufficient number of standards. By means of these values it is then possible to calculate ΔS for another group

Card 1/2

The Analysis of High Concentrations with Consideration Given
the Influence of "Third" Components SOV/48-23-9-35/57

of standards and to compare it with the experimental ΔS -value. The relative error is calculated by means of equation (4). From the equations (5), (6), and (7), which give the intensity variations of the lines of the components (n,m), (m,r) and (r,n), equations (8) and (9) are then developed, which give a straight line for the dependence of the quantities $\log(c_m)$ and $\log(c_n)$ on the immediate measured quantities with a constant $\log(c_i)$. Equation (1) may be written down also in the form (10) if the concentration variations are not great, without the condition $c_n + c_m + \dots + c_i = \text{const}$ having to be used. For this case equation (13) is developed, which corresponds to equations (8) and (9). There are 2 Soviet references.

ASSOCIATION: Zaporozhskiy zavod ferrosplavov (Zaporozh'ye Factory for Ferro-Alloys)

Card 2/2

TOPALOV, L.I.

SZAJEWICZ, A.B. [Shayevich, A.B.]; SOLOWIOW, W.M. [Solov'ev, V.M.];
TOPALOV, L.I. [Topalov, L.I.]; GAJEWSKI, Zdzislaw [translator]

Principles of rational analytical control in industry.
Pomiary 10 no.2:75-76 F'64.

IVANOVA, V.D.; TOPALOV, L.I.; SHAYEVICH, A.B.; DANILEVSKAYA, V.V.;
SAZONOVA, M.N.

Spectral analysis of open-hearth slags by the method of conditonal integral graphics. Zav. lab. 30 no.11:1346-1348 '64
(MIRA 18:1)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh
metallov i Zaporozhskiy zavod ferrosplavov.

Topalov, L.I.

USSR / Analytical Chemistry. General Problems.

E-1

Abs Jour: Ref. Zhur - Khimiya, No. 2, 1958, 4268

Author : Topalov L.I.

Title : Relative Curves For the Determination of High Concentrations by the Method of Spectral Analysis

Orig Pub: Zavodsk. laboratoria, 1957, 23, No. 5, 549-556

Abstract: The error found in spectral analysis of a very high concentration of the element in a sample usually is equal to 1.5-3 in absolute percent. A method of analysis is described whereby the error more frequently is equal to only 0.6-1.2% (relative). As comparative lines, the lines of the elements to be determined are taken which lead to steep calibration curves in coordinates $\log I_1/I_2$, $\log C_1/C_2$. For instance, in the case of a three-component melt the readings are taken

Card 1/4

USSR / Analytical Chemistry. General Problems.

E-1

Abs Jour: Ref. Zhur - Khimiya, No. 2, 1958, 4368

only from 3 lines and each element is determined by two curves. In the well known equation $I = AC^b$ the values for b for the different lines do not coincide and the curves on the mentioned coordinates $\log C_1/C_2$ corresponds within certain limits to the very same values of $\log I_1/I_2$ (or ΔS). This is explained by the variation in concentrations of the third component. Practically, the dispersion of the points on the graph is limited by a figure, which approximates a parallelogram, bound by the concentration limits of the 3rd component. Whereas 2 others approximating straight lines are bound by max. and min. values of ΔS or $\log I_1/I_2$. Inside the parallelogram a relative calibration curve is drawn diagonally. According to determined values of \log

Card 2/4

USSR / Analytical Chemistry. General Problems.

E-1

Abs Jour: Ref. Zhur - Khimiya, No. 2, 1958, 4368

$I_1/I_2 \log C_1/C_2$ is found. To this value, a correction which is taken on the basis of $\log I_3/I_1$ values, is introduced and which was obtained from the beforehand compiled standard tables. The unknown concentration (in percent) is found from equation: $C_n = \frac{100}{(1 + C_m/C_n + Cr/C_n)} (a - \alpha)$ where, a = sum of the impurities to be determined. α = sum of undetermined impurities changing in small limits, C_m and Cr = concentrations of the remaining components of the melt. The procedure for the analysis of multicomponent samples is described. The method is verified by an example furnished from standards of manganese-silicon alloys (Mn 65-86, Si 13-23, Fe 2-10%). In working out the individual procedures an input of a considerable volume of preliminary

Card 3/4

USSR / Analytical Chemistry. General Problems.

E-1

Abs Jour: Ref. Zhur - Khimiya, No. 2, 1958, 4368

calculating work is necessary in the computation of the correction tables. The accuracy of analysis is increased with an increase of concentration of the element to be determined and at concentrations of 70-80%. The error might be in the limits 0.5-0.7% (relative).

Card 4/4

TOPALOV, Leonid Ivanovich; SHAYEVICH, Aron Borisovich; SHUBINA, Sof'ya
Borisovna; TUMANOV, A.K., red.; CHAPAYKINA, F.K., red.
izd-va; MAL'KOVA, N.T., tekhn. red.

[Spectrum analysis of ferroalloys] Spektral'nyi analiz ferrosplavo-
vov. Sverdlovsk, Metallurgizdat, 1962. 288 p. (MIRA 16:1)
(Iron alloys--Spectra)

TOPALOV, L.I.

Spectrum analysis of titanium slag for its content of titanium
dioxide and admixtures by the method of conventional graphs.
Titan i ego splavy no.2:158-164 '59. (MIRA 13:6)
(Titanium--Spectra)

Topazov, I. I.

... by spectrographic analysis. / To
Topazov, I. I., Institute of Chemical Physics, Kosygin, 4, Moscow,
145-115, USSR (S), 540 ESS. - Method of constructing
calibration curves for binary, ternary and multi-
component systems, so that the accuracy of spectro-
graphic determination of high contents of metals in
samples is increased. G. S. SMITH

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

"Frequency modulation."

Radio, Sofiya, Vol 3, No 2, 1954, p. 24

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

TOPALOV, M.

Multi-Cavity Magnetrons. Radio (Radio), #8:36:Aug 54

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

TOPALOV, M.

Solemn Putting into Operation of a New Amateur Short-Wave Transmitter in the
Central Radio-Club of the DOSO Organization. RADIO (Radio) #10:12:cet 54

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

TOPALOV, M.

Multi-channel VHF Communication. "RADIO" Ministry of Communications,
#7-8:78:Aug. 55

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

TOPALOV, M.

Multi-channel Radio Communication. "RADIO" Ministry of Communication,
#9:27: Sept 55

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

SKLYAROV, A.Ye., inzh.; TOPALOV, O.N., inzh.

Testing of armature with circuit winding for turn-to-turn short
circuit. Elek. i tepl. tiaga 7 no.9:21-22 S '63.
(MIRA 16:10)

TOPALOV, P.

"Radial and magistral line system of power-supply lines in many-storied housing buildings."

p. 27 (Elektroenergiia, Vol. 8, no. 4/5, Apr./May 1957, Sofiia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6
June 1958.

TOPALOV, P.B. (Zhdanov, Podgornaya ul., d.27)

Etiology, pathogenesis and clinical aspects of Dupuytren's contracture. Ortop., travm. i protez. 24 no.12:36-41 D '63.
(MIRA 17:7)

1. Iz ortopedicheskogo otdeleniya (zav. - V.N. Shiriyayeva)
mediko-sanitarnoy chasti (glavnnyy vrach - P.T. Dyadchenko)
zavoda imeni Il'icha.

TOPALOV, P.D.

Posttraumatic restoration of the hand and fingers in the primary surgical treatment of the victim; observation of the union of severed fingers with the hand. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no.15:165-167 '59 (MIRA 16:12)

1. Iz ortopedicheskogo otdeleniya (zav. V.N.Shiryayeva) bol'nitsy Il'ichevskogo rayona g. Zhdanova) glavnyy vrach M.L. Samoylovich).

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

TOPALOV, P.D (Zhdanov, Podgornaya ul. d.27); MUSIYENKO, M.G.

Campyloactylia in childhood and adolescence. Ortop., travs. i protez.
26 no.7:60-61 J1 '65.
(MIRA 18:7)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

TOPALOV, V., shturman

Determining the ship's position from radio bearings in case
of a triangle of errors. Mor. flot 25 no.10:20 0 '65.

1. Teplokholod "Tallin". (MIRA 18:11)

ACC NR: AP7000711

SOURCE CODE: UR/0308/66/000/012/0021/0021

AUTHOR: Topalov, V. (Navigator of motor ship Tallin)

ORG: none

TITLE: Rating the accuracy in determining radio deviation

SOURCE: Morskoy flot, no. 12, 1966, 21.

TOPIC TAGS: mean square error, error function, error correction, maritime radio

ABSTRACT: A method is presented for finding the criterion of accuracy of tabulated values for residual radio deviation aboard ships. A method is proposed for verifying tabulated values of the residual radio deviation for their use at sea, which consists in the measurement of radio deviations to a visible object at various course angles and comparing them with the tabulated corrections. The differences Δf must not exceed a given function of the mean square error of the observed radio deviation, which is usually taken at $\pm 0^{\circ}.5$. This method provides a more precise criterion of the residual radio deviation than to consider $\Delta f \pm 0^{\circ}.7$, as is indicated in some manuals.

SUB CODE: 17/ SUBM DATE: none

Card 1/1

UDC: 61.052

KRAVETS, P., kapitan; AKSYUTIN, L., starshiy prepodavatel'; TOPALOV, V., aspirant

Operating the practical training ship "Gorizont." Mor. flot
24 no.2:37 F '64. (MIR 18:12)

1. Uchebno-proizvodstvennoye sudno "Gorizont" (for Kravets).
2. Odesskoye vyssheye inzhenernoye morskoye uchilishche (for Aksyutin, Topalov).

TIMOFEEV, Pavel Kirillovich; TOPALOV, Valeriy Pavlovich; BAYRASHEVSKIY,
A.M., retsentent; MESHKOV, O.I., red.; TIKHONOVA, Ye.A.,
tekhn. red.

[Operation of naval radio direction finders] Ekspluatatsiya
sudovykh radiopelengatorov. Moskva, Izd-vo "Morskoi trans-
port," 1963. 84 p. (MIRA 16:7)

(Radio direction finders)
(Electronics in navigation)

TOPALOV, Vasil. inzh.

A new method in the dimensioning of barrages. Khidrotekh i melior
7 no.4:117-118 '62.

TOPALOV, Venelin

Varieties in the population of lavenders. Selskostop nauka
1 no.6:622-630 '62.

1. Vissz selskostopanski institut "V. Kolarov" v Plovdiv.

TOPALOV, Vladislav

Scientific session dedicated to the 70th anniversary of the
Buzludzha Congress. Spisanie BAN 7 no.1/2:118-120 '62.

TOPALOV, Venelin; ATANASOV, Zhecho

Studies of a method of planting the Kazanluk oil-bearing
rose with individually rooted shrubs. Selskostop nauka
2 no.5/6:633-639 '63.

TOPALOV, V.F., inzhener; AKIMOV, T.M.

Slitting castellated nuts at the Toretskii Plant. Vest.mash.35 no.9:
66-67 S '55. (Bolts and nuts) (MLRA 9:1)

AKIMOV, T.M., inzhener; TOPALOV, V.F., inzhener

Universal jig to assemble for welding battery locomotive frames.
Svar. proizv. no.6:22-24 Je '55. (MLRA 8:9)

1. Toretskiy mashinostroitel'nyy zavod imeni Voroshilova.
(Electric locomotives--Construction)

CHERNIYEV, L.F., kand. fiziko-matematicheskikh nauk; TOPALOV, V.P.

Accuracy of astronomical determination of gyrocompass
adjustment by the sun. Inform. sbor. TSNIIMF no.74: Sudovozh.
i sviaz' no.19:71-79 '62. (MIRA 16:6)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2

DANTSEVICH, V.A.; TIRADOV, V.P.; TIMOREVSK, A.K.

Syntactical aspects in determining expressive force of some linguistic
elements. (Russian). (Series) (Soviet) (Soviet) (Soviet) (Soviet) (Soviet)

(Soviet) (Soviet) (Soviet) (Soviet) (Soviet) (Soviet)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310006-2"

SVETLOV, A.I., red.-sostavitel': Prinimeli uchastiye: GOLOVANOV, S.I.;
GOMOROVSKIY, P.A.; DOBRYNIN, M.I.; YERMILOV, Ye.M.; KORNEYEV, S.G.;
KULAKOVA, A.K.; KURBATOV, I.A.; LIKOV, V.N.; MARTYNOV, B.F.;
MILOSERDOV, S.S.; PESHKOV, V.P.; SOKHRANSKIY, A.V.; SMUROV, A.Ya.;
TOPALOV, V.S.; SHAPOVALOV, P.F.; POPOV, V.N., tekhn.red.

[City on the Tsna] Gorod na Tsne. Tambov, Tambovskoe knizhnoe
izd-vo, 1960. 174 p.
(MIRA 14:4)
(Tambov--Guidebooks)

BULGARIA

KRUSTINOV, Prof. G., MILEV, M.M Colonels of the Medical Service;
TOPALOV, Y., Lieutenant-Colonel of the Medical Service

"Use of Local Perfusion of the Lower Extremities"

Sofia, Voenno Meditsinsko Delo, Vol 21, No 3, Jun 66, pp 20-23

Abstract: Experiments carried out on dogs with ischemia of a hind leg indicated that the effects of acute ischemia could be counteracted by local perfusion of the isolated leg with oxygenated, heparinized blood provided that the perfusion was carried out no later than 24 hrs after the ischemia had been produced. A necessary condition for the success of the treatment was preliminary perfusion with a physiological salt solution to remove toxic products of tissue decay; unless this was done, the dogs died. Restoration of blood circulation by this method in cases of complete ischemia may prevent gangrene and eliminate the necessity of an amputation. Five references (2 Bulgarian, 1 USSR, 2 Western). Manuscript received 10 Apr 66. Russian summary.

1/1

YUGOSLAVIA/Plant Diseases - Diseases of Cultivated Plants.

0.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 34989

Author : Topalovic Gvozden.

Inst : Institute for Viticulture in Sremski Karlovtsy (Yugoslavia).

Title : Experiments in Connection with the Prognosis of the Appearance of Plasmopara viticola.

Orig Pub : Zashchita bil'ya, 1956, 34, 3-19.

Abstract : A report about the study of the biology and the development of Plasmopara viticola in the region of Voivodina (Yugoslavia), as well as of the means of fighting it, was submitted after research work conducted by the Institute for Viticulture in Sremski Karlovtsy in the course of the years 1950-1954. It is recommended that initial sprayings are to be carried out in years with conditions favorable for the development of mildew prior to the second appearance of

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YUGOSLAVIA/Plant Diseases - Diseases of Cultivated Plants.

0.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 34989

the disease, and, in years with unfavorable conditions, during the second incubation period. Periods of subsequent sprayings in years of mild or medium affection by the disease are to be synchronized with the incubation periods in such a manner as to complete cultivation prior to the onset of the rainy season. In rainy years the spraying method in synchronization with incubation periods cannot be applied since many of the mushroom generations as well as the infection itself comes to a standstill. In this case, the periods of spraying are planned so as to protect the vines against periodical infections by the mushroom. In years of medium affection (1951 and 1952), an efficient protection of the vineyards was achieved by applying a 1 to 1,5% mixture of Bordeaux liquor, in rainy years, the same result was obtained with only a 2% concentration. In 1954, a year of severe affection by the disease, a 3% liquor of Bordeaux was used (1300 to 1500 l/h).

Card 2/3

YUGOSLAVIA/Plant Diseases - Diseases of Cultivated Plants.

0.

Abs JOur : Ref Zhur - Biol., No 8, 1958, 34989

Dusting of the grapes with copper-calciferous powder combined with talcum, did not achieve lasting protection since it was washed off by heavy rains. On the other hand, spraying with a 3% mixture of Bordeaux, to which the moistening agent B.A.S.F. (50 ml/100l) had been added, did ensure a lasting and reliable protection. Spraying according to this method corresponds in its effects to two or three dust pollinations. -- Sternberg.

Card 3/3

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[YUGOSLAVIA]

M. CUPIC and Dr. R. TOPALOVIC-AVRAMOV, Department of Biochemistry of Pharmacy Faculty (Institut za biokemijsku Farmaceutskog fakulteta) Belgrade.

"Affinity of Dyes for Serum Protein Fractions."

Belgrade, Arhiv za Farmaciju, Vol 13, No 1, 1963; pp 29-34.

Abstract : Serum electrophoretic studies reveal that amide green 10 B does not accompany any human serum protein fraction; bromphenolblue is bound to albumins and ponce S to beta globulins. Latter dye is most evenly distributed between albumins and globulins, hence recommended for clinical biochemistry labs. Four electrophoregrams, 2 tables; 9 Western references.

[1/1]

✓ Effect of nicotinic acid on circulatory flow. I. The effects of perfusion of the circulatory apparatus of a frog. L. Ballif, P. Jitaru, and N. Topâră. Acad. rep. popolare Române, Filiala Iași, Studii circulări și înf. 4, No. 1/4, 379-84 (1953).—The variations of the circulatory flow were studied, by applying the Trendelenberg perfusion technique modified by Lanz (C.A. 23, 5229). The injector was introduced in the left aorta and the discharge tube of liquid in the abdominal vein or in the vena cava. The perfusion liquid made according to Ringer contained 0.1-0.6% nicotinic acid adjusted to pH 7.3. Under these circumstances the debit decreased from 11 to 44.5%. Identical modifications were obtained with nicotinic acid, or vitamin PP, at the same concns. Where the debit decreased, the colorless perfusion liquid became red, which indicates a vasoconstriction in the blood reservoir. When nicotinic acid or its amide was in the perfusion, a decrease of the flow of eliminated liquid was observed. The flow variations disappeared if the perfusion by nicotinic acid was replaced by Ringer soln. The animal's atropinization had no effect on the phenomena.

T. Z. Dénessy

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NHC

TOPALI - N

The study of nicotinic acid effect on the excitability of the sciatic nerve of the frog. P. Jitaru and N. Topali. *Acta resp. populare Române, Filiale Iasi, Studii cercetari ştiinț. 4, No. 1/4, 385-8 (1953).* — The chronaxia was measured by the condenser method by applying this technique on the frog's sciatic. The chronaxia was detd. (1) during the perfusion of the circulatory apparatus with Ringer soln. and nicotinic acid, and (2) after a new perfusion with Ringer soln. alone. Under these conditions three phases were observed: an initial one, in which the chronaxia diminished and which persisted about 20 min.; a second longer one, where the chronaxia increased then returned in 100 min. to the normal value; finally a third phase almost identical to the second one, only somewhat shorter and which appeared after a new perfusion of pure Ringer soln. The last phase appeared to prove that the modifications in the excitability have a diag. effect which disturbs the established equil. in the second phase.

T. Z. Dénésy

2
Med

TOPALKAROV V. A. T.

TOPALKAROV, A. T.: The pressure on the support of vertical columns
in unstable soils of the Akhultsikhe brown-coal deposit.¹ Min
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SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

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TOPALOV, L.I.

Sov/1700

24(7)

NAME & BOOK INFORMATION

Lvov. Universitet
Materijali k Vsesoyuznogo soveshchaniya po spektroskopii, 1956.
S. II. Akademiya spetsialopis' (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol. 218 Atomic Spectroscopy)
Dneprovsko-Lvovskogo universiteta, 1958. 368 p. (Series: Itas:
Fizicheskaya shornik, vyp. 4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademicheskaya nauk SSSR. Komissiya po spektroskopii.

Editorial Board: O.S. Landsberg, Academician, (Rep. Ed.);
B.S. Repov, Doctor of Physical and Mathematical Sciences;
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Candidate of Physical and Mathematical Sciences; Iu. K. Miliyanchuk,
Candidate of Physical and Mathematical Sciences; V.D. Miliyanchuk
(Deceased), Doctor of Physical and Mathematical Sciences; A.Ts.
Glauberian, Doctor of Physical and Mathematical Sciences;
M.I. S.I. Gaskar, Tech. M.; T.V. Sarayut.

Purpose: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

CONTENTS: This volume contains 177 scientific and technical studies of atomic spectrography presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutions and include extensive bibliographies or Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electron magnetic resonance, spectra of rare earths, methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables, and atlases of spectral lines, spark spectrophotographic analysis, statistical study of variation in the parameters of calibration curves, determination of tracess of metals, spectrum analysis in metallurgy, thermochrometry in metallurgy, and principles and practice of spectrochemical analysis.

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MATERIALS AT THE 10TH ALL-UNION CONFERENCE (CONT.)

Ivorov, O.G. Study of Minerals by Means of Spectro Analysis	378
Sverdlov, Z.N., and L.G. Fedorova. New Method for the Spectrum Analysis of Minerals	381
Balandin, V.M., and S.L. Mandel'shtam. Possibility of the Analysis of a Metal in an Electrode Arc Furnace Without Sampling	387
Ivantsov, L.M., I.I. Konstantinov, V.V. Sushchoralova, and A.I. Shurygin. Industrial Tests of an Experimental Photoelectric Unit for Rapid Determination of Phosphorus in Steel	388
Fonarov, L.I. Methods of Calculating Calibration Curves for the Determination of High Concentrations of Components in Petroleum	392
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Card 22/31

TOPALOV, L.I.

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Fiz.sbor. no.4:392-395 '58. (MIRA 12:5)

1. Zaporozhskiy ferrosplavnyy zavod.
(Iron alloys--Spectra)

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Surgical treatment of tuberculous caverns in lower pulmonary lobe.
Tuberkuloza, Beogr. 9 no.1:29-40 Jan-Feb 57.

1. Kirurska klinika Medicinskog fakulteta Sveucilista u Zagrebu
(predstojnik: prof. dr D. Juzbasic)
(TUBERCULOSIS, PULMONARY, surg.
of cavitations in lower lobe (Ser))

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42
L

AUTHOR: Topan, Gheorghe (Engineer)

ORG: none

TITLE: Power supply systems for microwave link stations

SOURCE: Telecomunicatii, no. 3, 1966, 110-115

TOPIC TAGS: power supply, microwave technology, communication link, communication equipment

ABSTRACT: The author surveys several possible power supply systems for microwave link stations, namely systems using rotating converters, static inverters, or motor-generator equipment. The static inverter system is described in more detail, with a discussion of the thyristor, the inverter proper, and the power circuitry. Orig. art. has: 7 figures. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 17 / SUM DATE: none / OTH REF: 002

Card 1/1

UDC: 621.311.8:621.396.43

0917 2246

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In the artels of White Russia. Prom.koop. 13 no.9:34 8 '59.
(MIRA 13:1)

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(Cooperative societies)

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TOPALOV, K. Preventing defective goods in printing cotton fabrics. p.8.

Vol. 4, No. 10, 1955
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Cotton materials tinted with sulfur on passing equipment. p. 12

Effect of the length of staple fiber and the fineness of fiber on
sturdiness and crimping in spinning yard from wool of different lengths
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Conventional diagrams for determination of high concentrations
by spectrum analysis. Zav. lab. 23 no. 5:549-556 '57. (MIRA 10:8)

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(Electronics. illus., bibl., tables)
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SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
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Vol. 4, no. 7/8, 1955
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i nauchno-opornogo punkta (zav. V.N.Shiryaeva) Instituta ortopedii i
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(Kooperativno Zemadelie, Vol. (12) no. 5, May 1957. Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

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1. Hirurska klinika Medicinskog fakulteta u Skoplju (Direktor:
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TOPALOVIC-ABRAMOV

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Yugoslavia (430)

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of cellulose and may be more abundant than total reducing
sugars. It decreases as the tissue matures. [L.B.G.]

TOPALOVIC - AVRAMOV, R.

(1)

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Institute for Biochemistry of the Pharmaceutical Faculty
(Institut za biohemiju Farmaceutskog fakulteta), Belgrade

Source: Belgrade, Arhiv za Farmaciju, No 1, 1961, pp 11-18.

Data: "Use of Paper Chromatography in Clinical-Biochemical Laboratory."

Authors:

TOPALOVIC-AVRAMOV, R.
KAPETANOVIC, B.

2

TOPALOVIC-AVRAMOV, R.

SURNAME (in caps); Given Name(s)

Country: Yugoslavia

Academic Degrees: Not given.

Affiliation: Not given.

Source: Galenika, Belgrade, Vol 7, No 5, 1961, pp 389-393.

Data: "The Use of Antibiotics for Non-medicinal Purposes."

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Yugoslavia (430)

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amt. of sugars (glucose and fructose) in ripening figs was
studied. It was found that I as detd. by the Bimmerie-
Van Eckelen method (*C.A.* 30, 4190) is formed in the early
phase of the vegetative period when the sugars are absent;
the I content decreased in the course of ripening while the
sugar content increased. The water content was higher in
green figs.
S. Edmund Berger

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TOPALOVIC-AVRAMOV, Radmila Mr

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'55.

(ELECTROPHORESIS,
paper stripes technic,(Ser))

(In caps); Given Names
Country: Yugoslavia
Academic Degrees: [not given]
Affiliation: [not given]
Source: Belgrade, Arhiv za Farmaciju, Nr 5, 1960, pp 389-393.
Data: "Use of Antibiotics for Nonmedical Purposes."

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(CIML 24:1)

1. Of the Department of Laboratory Diagnosis (Head -- Prof. Ye. A. Kost), Central Institute for the Advanced Training of Physicians, Moscow.

TOPARSKAYA, V. N.

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med. 22 no.7:29-34 Jl '58 (MIRA 11:10)

1. Iz endokrinologicheskogo otdeleniya (zav. - prof. M.S. Vovsi
Moskovskiy gorodskoy ordena Lenina klinicheskoy bol'nitsy imeni
S.P. Botkina i kafedry laboratornoy diagnostiki (zav. prof. Ye.A. Kost).
TSentral'nogo instituta usovershenstvovaniya yrachey.

(DIABETES MELLITUS, ther.
diet, high fat (Rus))

(DIETS, in various dis.
high-fat diet in diabetes mellitus (Rus))